

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0007] with the following rewritten paragraph:

[0007] For active rectification detection ~~and~~ driver circuits are required to generate the gate voltage (derived from the stator phase voltages) necessary for switching a FET ON/OFF, thereby rectifying the current like a diode. Active rectification, however, results in much lower losses since the voltage drop across a FET is only a fraction of the forward voltage drop of a diode. As a result, less energy is wasted, which allows for higher output.

Please replace paragraph [0057] with the following rewritten paragraph:

[0057] A conventional system also includes fault indicator ~~28~~ 29 connected to PCM 16 in order to provide a signal when charging fault is detected.